This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-28. (Canceled)

29. (Presently amended) A method for ~~treating a~~ repressing production of beta-globin ~~producing cell~~ proteins in a cell, the method comprising:

providing at least one beta-globin producing cell;

providing a vector encoding ferritin-H; and

inserting the vector encoding ferritin-H into the at least one ~~beta-globin~~ beta-globin producing cell, whereby ferritin-H is produced in the cell, and the ferritin-H produced binds to the promoter region of the beta-globin gene of the beta-globin producing cell at -148 to -153 bp from the transcription start site of the promoter region and represses production of beta-globin proteins in the cell.

30. (Previously presented) The method of claim 29 wherein the step of inserting the vector encoding ferritin-H into the at least one beta-globin producing cell comprises transfecting the at least one beta-globin producing cell with the vector encoding ferritin-H.

31. (Previously presented) The method of claim 30 wherein the transfection occurs *ex vivo*.

32-34. (Canceled)

35. (Presently amended) The method of claim 29 wherein, in the step of providing at

least one beta-globin producing cell, the at least one beta-globin producing cell is a human beta-globin producing cell, and wherein such repression of beta-globin production results in increased production of gamma-globin proteins in the cell.

36. (Canceled)

37. (New) The method of claim 29 wherein, in the step of providing at least one beta-globin producing cell, the at least one beta-globin producing cell is a human beta-globin producing cell.

38. (New) The method of claim 29 wherein, in the step of providing a vector encoding ferritin-H, the ferritin-H is human ferritin-H.